

IFW

PATENT APPLICATION  
STC-03-0009

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of:      Gopalakrishnan G. Juttu  
                                 Robert Scott Smith

Serial No.:    10/792,319

Filed:    March 3, 2004

For: Catalyst For Aromatization of Alkanes, Process of Making and  
Process of Using Thereof

Commissioner for Patents  
P.O. Box 1450  
Alexandria, Virginia      22313-1450

INFORMATION DISCLOSURE STATEMENT

The following are being submitted for this Information  
Disclosure Statement:

1. Preliminary Statements
2. Concise Explanation of Listed Information Items
3. Translation of Non-English Documents
4. Forms PTO/SB/08A and PTO/SB/08B
5. Copies of Listed Information Items

This Information Disclosure Statement submitted herewith is  
being filed **BEFORE THE MAILING DATE OF A FIRST OFFICE ACTION ON  
THE MERITS** under 37 CFR §1.97(b)(3).

PRELIMINARY STATEMENTS

Pursuant to the provisions of 37 CFR §§1.97 et. seq., the Applicants submit the documents of which they are currently aware that they believe may be material to the examination of this application, and in respect of which, there may be a duty to disclose. The filing of this Information Disclosure Statement shall not be construed as a representation that a search of the prior art was made, that an admission that the information cited is, or is considered to be, material to patentability or that no other material information exists or as an admission against interest in any manner.

CONCISE EXPLANATION OF LISTED INFORMATION ITEMS

The documents identified on the attached forms PTO/SB/08A and PTO/SB/08B are referenced in the Specification of the patent application as filed. Copies of the documents cited are enclosed.

The Examiner is requested to consider these documents and to indicate that these documents are made of record in the first Office Action.

SERIAL NO. 10/792,319  
JUTTU, SMITH

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TRANSLATION OF NON-ENGLISH LANGUAGE DOCUMENT

Submitted herewith is an English abstract or translation of the material portions of the following foreign language patent or published patent application:

Foreign Language Document: JP59121115

FEES

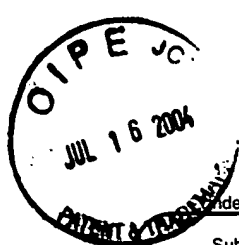
The Commissioner is hereby authorized to charge any fees which may be required by filing this paper or credit any overpayment to Account No. 502025.

Respectfully submitted,

A handwritten signature in dark ink, appearing to read "Jim Wheelington", is written over a horizontal line.

Jim Wheelington  
Reg. No. 33,051

SABIC Americas, Inc.  
SABIC Technology Center  
1600 Industrial Blvd.  
Sugar Land, Texas 77478  
(281) 207-5719



PTO/SB/08A (08-03)

Approved for use through 07/31/2006. OMB 0651-0031

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

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Substitute for form 1449/PTO

**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

**Complete if Known**

Application Number	10/792,319
Filing Date	March 3, 2004
First Named Inventor	Gopalakrishnan Juttu
Art Unit	1764
Examiner Name	
Attorney Docket Number	STC 03-0009

Sheet 1 of 2

**U. S. PATENT DOCUMENTS**

Examiner Initials*	Cite No. <sup>1</sup>	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code <sup>2</sup> (if known)			
		US- 6,160,191	12-12-00	Smith et al.	
		US- 3,329,480	07-04-67	Young	
		US- 3,329,481	07-04-67	Young	
		US- 4,208,305	06/17/80	Kouwenhoven et al.	
		US- 4,713,227	12-15-87	Derouane et al.	
		US- 4,704,494	11-03-87	Inui	
		US- 5,456,822	10-10-95	Marcilly et al.	
		US- 4,180,689	12-25-79	Davies et al	
		US- 4,851,602	07-25-89	Harandi et al.	
		US- 5,149,679	09-22-92	Price et al.	
		US- 5,192,728	03-09-93	Dessau et al.	
		US- 5,574,199	11-12-96	Beck et al.	
		US- 5,932,777	08-03-99	Sughrue, II et al.	
		US- 5,693,215	12-02-97	Zones et al.	
		US-			
		US-			
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		US-			

**FOREIGN PATENT DOCUMENTS**

Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear	T <sup>6</sup>
		Country Code <sup>3</sup> Number <sup>4</sup> Kind Code <sup>5</sup> (if known)				
		JP59121115	07-13-84	Iino		

Examiner  
SignatureDate  
Considered

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. <sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> See Kinds Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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Substitute for form 1449/PTO  <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  <i>(Use as many sheets as necessary)</i>		<b>Complete if Known</b>			
		Application Number	10/792,319		
		Filing Date	March 3, 2004		
		First Named Inventor	Gopalakrishnan Juttu		
		Art Unit			
		Examiner Name			
Sheet	2	of	2	Attorney Docket Number	STC 03-0009

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
		"Zeolite Molecular Sieves", D.W. Breck, p 322, John Wiley & Sons (1974)	
		"NAS (novel aluminosilicates) as catalysts for the aromatisation of propane, Studies of zinc and gallium modified zeolite-based systems having various extents of XRD crystall	
		crystallinity, C. P. Nicolaides et al., Catalysis Today, vol 71, p 429-435 (2002)	
	*	"Light alkanes aromatization to BTX over Zn-ZSM-5 catalysts, Enhancements in BTX selectivity by means of a second transition metal ion", Louis M. Lubango et al	
		Applied Catalysis A; General, vol. 235, p. 265-272 (2002)	

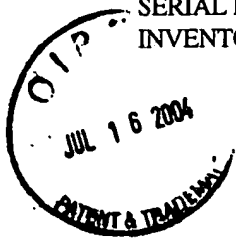
Examiner Signature		Date Considered	
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\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

1 Applicant's unique citation designation number (optional). 2 Applicant is to place a check mark here if English language Translation is attached. This collection of information is required by 37 CFR 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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The PTO did not receive the following  
listed item(s) \* Missing item



SERIAL NO. 10/792,319  
INVENTORS: JUTTU, SMITH

PATENT APPLICATION  
STC 03-0009

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In Re Application of: **GOPALAKRISHNAN G. JUTTU**  
**ROBERT SCOTT SMITH**

Application No.: 10/792,319  
Filed: March 3, 2004

Group No.:  
Examiner:

For: **Catalyst for Aromatization of Alkanes, Process of Making and Process  
of Using Thereof**

Commissioner for Patents  
P. O. Box 1450  
Alexandria, VA 22313-1450

**CERTIFICATE OF MAILING UNDER 37 C.F.R. §1.8**

I hereby certify that these papers:

1. Information Disclosure Statement

along with any others referred to as being attached or enclosed are being deposited with the United States Postal Service with sufficient postage as First Class Mail on the date shown below addressed to:

Commissioner for Patents  
P. O. Box 1450  
Alexandria, VA 22313-1450

Date: July 14, 2004

  
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